5.0V @ 70mA Boost Converter

(ACTIVE) PMP8523

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Description

This design is a boost converter which delivers an output voltage of 5.0V @ 70mA at an input of 3.3V. PMP8523 was designed to fit industrial applications.

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Fully assembled board (shown above) developed for testing and performance validation only, not available for sale.

Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP8523
Vin (Max) (V)	3.6
Vin (Min) (V)	3
Vout (Nom) (V)	5
Iout (Max) (A)	.07
Output Power	.35
Isolated/Non-Isolated	Non-Isolated
Input Type	DC
Topology	Boost- Synchronous

TI Devices (1)

Order samples, get tools and find more information on the TI products in this reference design.

Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPS61070	Adjustable, 600-mA Switch, 90% Efficient PFM/PWM Boost Converter in ThinSOT-23	Converter (Integrated Switch)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TPS61070	SOT (DDC) | 6	Download	Download

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Step 1: Download and install the Ultra Librarian software ZIP: 62MB

Step 2: Download the Symbol and Footprint .bxl file.

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP8523 Test Results		PDF	666	11 Jan 2013	19

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP8523 BOM		PDF	14	11 Jan 2013	28
PMP8523 Schematic		PDF	43	11 Jan 2013	43

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